

# Science Lesson Plan

Lesson Plan by:

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**Lesson:** Color Mixing      **Length:** 20-30 minutes      **Grade Intended** 2<sup>nd</sup> Grade  
**Academic Standard(s):**

2.1.4 Make new observations when there is disagreement among initial observations.

**Performance Objective:**

Given a worksheet, the students will understand the idea of the scientific method with full participation.

**Assessment:**

The teacher will observe the students as they interact with one another during the process. The teacher will provide help when needed and will make sure that students are staying on task and correctly completing the experiment. After, the teacher will assess through group discussion and checking over worksheets.

**Advanced Preparation by Teacher:**

- Create shaving cream colors in red, blue, and yellow.
- Computer paper- 5 pages for each student.
- Plates- 3 for each group of students & 3 for each student.
- Worksheet made up for each student.
- Plastic knives for scraping- one for each student.

**Procedure:**

Introduction/Motivation: Does everyone remember talking about the primary colors yesterday in class? (Bloom's Knowledge) Good! Well today we are going to learn about the secondary colors but I am not going to tell you what those are! Instead you are going to discover them on your own using the scientific method.

Step-by-Step Plan:

1. Start this activity by passing out worksheets for each student. On the worksheets it tells the students how to administer the project. Allow the students to color in the Primary Colors on their color wheel before we begin.

2. Now pass out the supplies and begin reading the worksheets out loud to the students. Allow time for them to color in the crayons on the paper as they predict what colors will be made. (Gardner's Bodily-Kinesthetic) (Gardner's Visual) (Bloom's Knowledge)

4. After each 2 primary colors are mixed together the students will use a piece of computer paper and press it on top of their shaving cream. This will show them the color that was created. Invite the students to share their thoughts about what colors were going to be made. (Bloom's Knowledge)

Closure: After all the 3 groups are swirled and pressed, the Color wheel will be accurately filled in. Then I will read "See What I Am" to the class. What do these colors make? (Bloom's Knowledge)

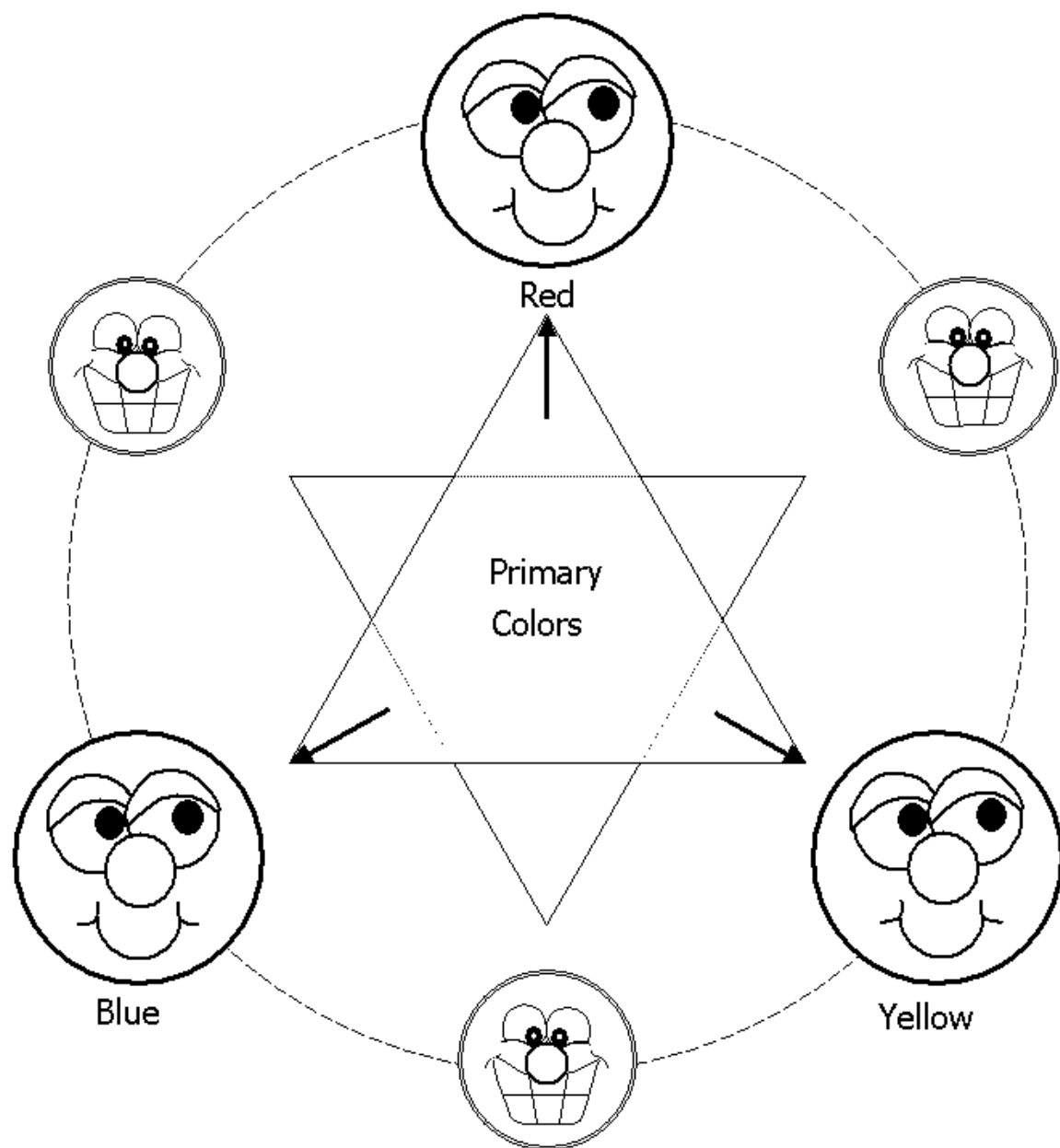
**Adaptations/Enrichments:** The students can experiment mixing all of the colors together and seeing what color is created. They may also use their scraped pages for

spelling word activities or other lessons throughout the week or the next day of class. Students can also mix their own shaving cream at the beginning if washable dye is used instead.

**Self-Reflections:** Did the students correctly participate within the lesson and follow the directions? Did they understand that secondary colors are made when primary colors are mixed? Did the scientific method challenge the students at a different level of thinking? Did my adaptations help the students learn the information on a different level? What can I do differently the next time I teach this lesson to further engage the students?

# The Color Wheel

## Primary and Secondary Colors



Red, yellow and blue are the three primary colors. They cannot be made by mixing any other colors.

Word Bank:

Orange

Red

Blue

Green

Purple

Yellow

Start with Red



and Blue



.

**The Problem:**

What color will \_\_\_\_\_ and \_\_\_\_\_ make?

**The Hypothesis:**

I think that when I mix



and



it

will make



.

**The Procedure:**

1. I put Red



on the plate.

2. I mix Blue



to the plate.

3. I swirl it around and press the paper



on top.

**The Results:**

Red and Blue made



.

Start with Red



and Yellow



### The Problem:

What color will \_\_\_\_\_ and \_\_\_\_\_ make?

### The Hypothesis:

I think that when I mix

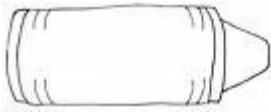


and



it

will make



### The Procedure:

1. I put Red



on the plate.

2. I mix Yellow



to the plate.

3. I swirl it around and press the paper



on top.

### The Results:

Red and Yellow made



Start with a Yellow



and Blue



### The Problem:

What color will \_\_\_\_\_ and \_\_\_\_\_ make?

### The Hypothesis:

I think that when I mix

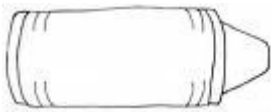


and



it

will make



### The Procedure:

1. I put Yellow



on the plate.

2. I mix Blue



to the plate.

3. I swirl it around and press the paper



on top.

### The Results:

Yellow and Blue made

